VT-DOL Paper-F.H.-Feb.-16-46
Con. 76-16.
(REVISED COURSE)
N.B. : (1) Attempt any three questions from Q. Nos. 1 to 5 from Section I.
(2) Attempt any three question from Q. Nos. 7 to 11 from Section II.
(3) Question No. 6 in Section I is compulsory.
(4) Question No. 12 in Sections II is compulsory.
(5) Figures to the right indicate full marks.
(6) Both the sections should be written in the same answer book.

## Section I

1. Explain in detail the aspects of rural society in India. $\mathbf{1 2}$
2. What is Patriarchy? Explain any five social problems of women in patriarchal society. $\mathbf{1 2}$
3. What is linguism? Describe the main features of linguistic conflicts in India. $\mathbf{1 2}$
4. Explain the salient features of the constitution of India. 12
5. Discuss the characteristics of political parties in India. 12
6. Write short notes on the following (any two) :- 14
(a) Controlling measure of smoking.
(b) AIDS awareness.
(c) Effects of child labor.
(d) Trafficking of women.

## Section II

7. Define globalization and discuss its effects on agriculture sector. $\mathbf{1 2}$
8. Broadly classify the articles of the Universal Declaration of Human Rights. Bring out the significance 12
of the Universal Declaration.
9. Discuss the structure and functions of Ecosystem.
10. Describe the various agents of socialization and its role in developing individual personality. $\mathbf{1 2}$
11. Explain in detail Maslow's theory of self-actualization. $\mathbf{1 2}$
12. Write short notes on the following (any two) :- 14
(a) Health and sanitation.
(b) Genetically modified crops.
(c) Human right violations due to development projects.
(d) Crime amono vouths.

## ( मराठी रूपांतर)

(सुधारित अभ्यासक्रम)
( ३ तास )
(एकूण गुण : १००
सूचना : (१) विभाग १ मधील प्रश्न क्रमांक १ ते ५ पैकी कोणतेही तीन प्रश्न सोडवा.
(२) विभाग २ मधील प्रश्न क्रमांक ७ ते $९ ९$ पैकी कोणतेही तीन प्रश्न सोडवा.
(३) विभाग $९$ मधील प्रश्न क्रमांक ६ अनिवार्य आहे.
(४) विभाग २ मधील प्रश्न क्रमांक १२ अनिवार्य आहे.
(५) उजवीकडील अंक प्रश्नाचे पूर्ण गुण दर्शवितात.
(६) दोन्ही विभाग एकाच उत्तर पत्रिकेत लिहावेत.
(७) आवश्यक वाटल्यास इंग्रजी प्रश्न-पत्रिका पहावी.

विभाग 9
१. भारतीय ग्रामीण समाजाची वैशिष्ट्ये सविस्तर स्पष्ट करा.
२. पितृसत्ताक पद्धती म्हणजे काय ? पितृसत्ताक समाज पद्धतीत स्रीयांच्या पाच सामाजिक समस्यांचे वर्णन करा. १२
३. भाषिकत्व म्हणजे काय ? भारतातील भाषिक संघर्षाच्या मुख्य वैशिष्टचांचे वर्णन करा. ९२
४. भारतीय राज्य घटनेचे ठळक वैशिष्ठचे स्पष्ट करा. $९$.
५. भारतातील राजकीय पक्षांच्या वैशिष्ट्यांची चर्चा करा. ९२
६. खालीलपैकी कोणत्याही दोनवर टिपा लिहा :-
(अ) धुम्रपान नियंत्रणाचे उपाय
(क) बालमजुरीचा परिणाम
(ब) एडस् जनजागृती
(ड) स्त्रियांचा अनैतिक व्यापार.

## विभाग ?

७. जागतिकीकरण म्हणजे काय ? भारतीय कृषी क्षेत्रावरील त्यांच्या परिणामांची चर्चा करा. १२
८. मानवी हक्षांचा वैश्विक जाहिरनामा यांतील कलमांचे वर्गीकरण करून वैश्विक जाहिरनाम्याचे महत्त्व स्पष्ट करा. $९$ १
९. परिस्थितीकीची संरचना आणि कार्य यांची चर्चा करा. १२
१०. सामाजिकरणाच्या विविध घटकांचे वर्णन करा आणि व्यक्तिच्या व्यक्तिमत्व विकासामध्ये त्याची भूमिका स्पष्ट करा. १२
११. मॅस्लोचा आत्मपूर्तीं सिद्धांत सविस्तर स्पष्ट करा. १२
१२. खालीलपैकी कोणत्याही दोनवर टिपा लिहा :-

VT-DOL Paper-F.H.-Peb.-16-54
Con. 81-16.
DT-4886
[ Total Marks : 100
N.B. : (1) All questions are compulsory.
(2) Figures to the right indicate full marks.

1. Write short notes on any four of the following :
(a) Feedback
(b) Motivation as an objective of communication
(c) Effective communication
(d) Body Language
(e.) Selection Interview
(f) Group discussion.
2. Write any two essays of the following :
(a) What are barriers to communication? Discuss language as a barrier to communication.
(b) Write a note on the importance of listening.
(c) What is a meeting? What are the duties of a Chairman at a meeting?
(d) Write in detail various functions of Public Relations Department. Give examples.
3. (a) Write a Job Application for the post of an Accountant in a reputed company in 10 Mumbai. Give your Bio-Data.
(b) Write any three of the following letters : 21
(i) You want to do your Ph.D. in Economics from Oxford University. Write a SOP to submit your application.
(ii) Write a Job Acceptance Letter with reference to the appointment letter for the post of a clark.
(iii) Draft a letter of resignation addressed to the Manager, Mahavir Handloom Mills.
(iv) Write a sales letter to promote the sale of a smart phone.
(v) Write a letter of inquiry to wholesale clothes mart asking for their price list, catalogue and other informations.
4. Draft the Notice, Agenda of an Annual General Meeting of Reliance industries Ltd.

Also draft two Resolutions :
(a) Appointment of Banker
(b) To issue shares to the Investors.
5. (a) A committee has been appointed to look into the causes of the decline in results 10 of XYZ college at ABC University exams. Draft a Report.

## Con. 81-DT-4886-16. <br> 2

6. (a) Correct the following sentences: ..... 5
(i) I am not satisfied in my work.
(ii) He is walking over the road.
(iii) Raghuvir run fast.
(iv) Seema and Reena are good friend.
(v) My son learn mathematics slowly.
(b) Write a paragraph on any one of the following topics :
(i) College Annual Day celebrations.
(ii) Honesty is the best policy.
(iii) Swachh Bharat Abhiyan.

## OR

(c) Summarise the passage given below :

The present system of education in India has proved an utter failure. It does not meet the vital needs of our national life. The national life is changing daily, but the educational system is functioning carelessly as before. It does not respond to new requirements and problems. But the Indian students after many years of hard labour leave the colleges and universities only to fight the enemy of unemployment. The educated youth finds himself incapable of facing the realities of life. The Indian educational system is faulty and foreign medium instruction is another defect.

## OR

(d) Edit the following passage given below :
he taught his six children myself the youngest by ten years practise hard my father would say watching me busy with slate and pencil for who knows what dowry there will be for you when you are ready and i would childishly listen and take up my pencil again what use my mother would say that a girl should be learned much good will it do her when she has many sons and a husband to look after look at me is not my house clean and sweet are not my children well fed.

## ( मराठी रूपांतर )

( ३ तास )
(एकूण गुण : 900
सूचना : (१) सर्व प्रश्न अनिवार्य आहे.
(२) उजवीकडील अंक पूर्ण गुण दर्शवितात.
१. खालीलैैकी कोणत्याही चारवर टीपा लिहा :
(अ) प्रतिक्रिया
(ब) प्रेरणा एक संग्रेषणाचा उद्देश
(क) परिणामकारक संत्रेषण
(ड) देह बोली
(इ) नोकरी निवडीसाठी मुलाखती
(फ) समुहचर्चा.
२. खालीलैकी कोणतेही दोन निबंध लिहा :
(अ) संग्रेषणातील अडथळे म्हणजे काय ? संग्रेषणातील भाषा हे एक अडथळा यावर चर्चा करा.
(ब) ऐकण्याचे महत्त्व यावर टीपा लिहा.
(क) सभा म्हणजे काय ? सभेच्या अध्यक्षाची कर्तन्ये कोणती ?
(ड) जनसंपर्क विभागाच्या विविध कार्याची सखोल माहिती सोदाहरणासह लिहा.
३. (अ) मुंबईतील नामांकित कंपनीसाठी एका अकाऊटंटच्या पदासाठी नोकरीचा अर्ज लिहा. आणि तुमचा बायोडाटा द्या.
(ब) खालीलयैकी दोन पत्रे लिहा :
(१) ऑक्सफोर्ड विद्यापीठातून अर्थशास्त्र या विषयात तुम्हाला पी. एच. डी. करावयाची आहे. त्यासाठी एसओपी (SOP) लिहून अर्ज करा.
(२) महावीर हॅन्डलूम मीलच्या व्यवस्थापकांना राजीनामा पत्र लिहा.
(३) कारकुनाच्या पदाचा नियुक्ती पत्राचा संदर्भ देऊन नोकरीचे स्वीकार पत्र लिहा.
(४) एका स्मार्ट फोनची विक्रीवृद्धी करण्यासाठी विक्री पत्र लिहा.
(५) कपड्याच्या घाऊक बाजारपेठेचा त्यांची किमत यादी, माल यादी आणि इतर माहिती मागविणारे चौकशी पत्र लिहा.
४. रिलायन्स इन्डस्ट्रीज लि. च्या वार्षिक सर्वसाधारण सभेची सुचना, कार्यक्रम पत्रिका तयार करा. तसेच दोन ठराव तयार करून लिहा :
(अ) बँकर्सची नियुक्ती
(ब) गुंतवणुकदारांचे शेअर्स काढणे.
4. (अ) अबक विद्यापीठातील क्षयज़ महाविद्यालयांचा निकाल कमी लागल्यामुळे एक समिती स्थापण केलेली १० आहे. त्याचा अहवाल तयार करा.

## किंवा

(अ) प्लॅस्टिकच्या कारखान्याचा व्यवस्थापक म्हणून झालेला आगीचा अपघात आणि तुमचा त्यावरील
६. (अ) खालील वाक्य बरोबर करून लिहा :
(i) I am not satisfiedi in my work.
(ii) He is walking over the road.
(iii) Raghuvir run fast.
(iv) Seema and Reena are good friend.
(v) My son learn mathematics slowly.
(ब) खालीलपैकी कोणत्याही एका विषयावर परिच्छेद लिहा :
(१) महाविद्यालयाचा वार्षिक दिन महोत्सव.
(२) प्रामाणिकपणा हे उत्कृष्ठ धोरण आहे.
(३) स्वच्छ भारत अभिमान.

## किंवा

(क) खालील उतान्यांचा सारांश लिहा :
Summarise the passage given below :
The present system of education in India has proved an utter failure. It does not meet the vital needs of our national life. The national life is changing daily, but the educational system is functioning carelessly as before. It does not respond to new requirements and problems. But the Indian students after many years of hard labour leave the colleges and universities only to fight the enemy of unemployment. The educated youth finds himself incapable of facing the realities of life. The Indian educational system is faulty and foreign medium instruction is another defect.

किंवा
(ड) खालील उतान्यांचे संपादन करा :
Edit the following passage given below:
he taught his six children myself the youngest by ten years practise hard my father would say watching me busy with slate and pencil for who knows what dowry there will be for you when you are ready and i would childishly listen and take up my pencil again what use my mother would say that a girl should be learned much good will it do her when she has many sons and a husband to look after look at me is not my house clean and sweet are not my children well fed.

## ( 3 Hours )

[ Total Marks: 100
N.B. : (1) Question No. 1 and 7 are compulsory.
(2) Besides compulsory questions, answer any two questions from each section.
(3) Figures to the right indicate full marks.

Section I

1. (a) Define the following (any four) :-12
(i) Demand
(ii) Promotional Elasticity of Demand
(iii) Fixed cost
(iv) Average cost
(v) Production function
(vi) Average Revenue.
(b) Distinguish between (any two) :- 6
(i) Price elasticity and Income Elasticity of demand.
(ii) Total Revenue and Marginal Revenue.
(iii) Economies and Diseconomies of Scale.
2. (a) What are the determinants of demand? 8
(b) Discuss various methods of demand forecasting.
3. (a) Explain the law of variable proportions with the help of proper diagram. 8
(b) What are various types of cost? 8
4. (a) Explain the producers' equilibrium with the help of isoquant technique. 8
(b) Why is long-run average cost curve ' $U$ ' shaped? 8
5. (a) Discuss relationship between $A R, M R$ and $T R$ under perfect competition. 8
(b) What are the objectives of a firm ? 8
6. Write short notes (any two) :- 16
(a) Consumer's surplus
(b) Different types of elasticity of demand
(c) Laws of returns to scale
(d) Break even analysis.

## Section II

7. (a) Define the following terms :- ..... 12(i) Oligopoly(ii) Product Differentiation
(iii) Firm
(iv) Shut-down point
(v) Capital budgeting
(vi) Public Good.
(b) Distinguish between :- ..... 6
(i) Normal Profit and Excess Profit.
(ii) Production Cost and Selling Cost.
(iii) Perfect competition and Monopolistic competition.
8. (a) What are the features of perfect competition? ..... 8
(b) Explain short-run equilibrium of a firm under perfect competition. ..... 8
9. (a) What do you mean by price discrimination? Explain different types of price ..... 8 discrimination.
(b) Write a note on dumping. ..... 8
10. (a) What are the objectives of pricing policy? ..... 8
(b) Discuss any one of the following pricing methods :- ..... 8
(i) Marginal Cost Pricing
(ii) Multi-product pricing.
11. (a) Discuss the role of government intervention in improving market efficiency. ..... 8
(b) Discuss the importance of capital budgeting. What are the difficulties involved ..... 8 in capital budgeting?
12. Write short notes on (any two) :- ..... 16
(a) Features of Monopolistic Competition
(b) Short run equilibrium of a monopoly firm
(c) Kinked demand curve
(d) Internal Rate of Return Method.

## ( मराठी रूपांतर )

( ३ तास )
(एकूण गुण : १००
सूचना : (१) प्रश्न क्रमांक १ आणि ७ अनिवार्य आहेते.
(२) अनिवार्य प्रश्नांशिवाय प्रत्येक विभागातून दोन प्रश्न सोडवा.
(२) उजवीकडील अंक प्रश्नांचे पूर्ण गुण दर्शवितात.

## विभाग ?

१. (अ) खालील व्याख्या द्या (कोणत्याही चार) :- ..... १२
(१) मागणी
(२) मागणीची प्रवर्तन लवचिकता
(३) स्थिर खर्च
(४) सरासरी खर्च
(4) उत्पादन फलन
(६) सरासरी प्राप्ती.
(ब) फरक स्पष्ट करा (कोणतेही दोन) :-
(9) मागणीची किंमत लवचिंकता आणि उत्पन्न लवचिकता.
(२) एकूण प्राप्ती आणि सिमांत प्रासी.
(३) अंतर्गत आणि बहिर्गत बचती.
२. (अ) मागणीची विविध निर्धारके कोणती ?
(ब) मागणीचा अंदाज वर्तवण्याच्या विविध पद्धती कोणत्यया?
३. (अ) योग्य आकृतीसह बदलत्या परिमाणाचा सिद्धांत स्पष्ट करो.
(ब) खर्चाच्या विविध संकल्पना कोणत्या ?
४. (अ) सम उत्पादन वक्राच्या सहाय्याने उत्पादकाचा समतोल स्पष्ट करा.
(ब) दीर्घकालीन सरासरी खर्च वक्राचा आकार इंग्रजी ' $U$ ' अक्षरासारखा का असतो.
4. (अ) पुर्ण स्पर्धेमध्ये सरासरी प्रात्ती, सिमान्त प्राप्ती आणि एकूण प्राप्ती य्यामधील संबंधांची चर्चा करा.
(ब) उत्पादनपेढीची उद्दिष्ट्ये कोणती ?
६. थोडक्यात टिपा लिहा (कोणत्याही दोन) :-
(अ) उपभोक्त्याचे संतोषाधिक्य
(ब) मागणीच्या लवचिकतेचे विविध प्रकार
(क) अनुमाप प्रत्याय सिद्धांत
(ड) समविच्छेदन विश्लेषण.

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७．（अ）खालील ब्याख्या चा（कोणत्याही जर）：－？？
（？）अल्पाधिकार
（२）बस्तू विभेद
（3）व्यबसाय संस्था
（४）＇बंद ठेबा＇बिंदू
（4）भांडबली अंदाजपश्रक
（६）सार्वजनिक बस्तू．
（ब）फरक स्पट्ट करा ：－छ
（१）साधारण नफा आणि अतिरिक्त नफा
（२）उत्पाद्न खर्ब आणि बिक्री खर्व
（3）पूर्ण स्पर्थ आणि मक्लेदरियुक्त स्पर्धा
८．（अ）पूर्ण स्पर्थची वैसिष्ट्ये कोणती ？८
（ब）पूर्ण स्पर्धुंतर्गत छ्यवसाय संस्थेचा अल्पकालीन समतोल स्पष्ट करा．८
९．（अ）किमतभेद महणजे काब ？किमतथेदाबे विविध प्रकार कोणते ？८
（ब）＂अवपूंजन＂बाबर एक टीप सिला．८
१०．（अ）किमत पद्सीती विबिध बैशिष्ट्ये कोणती ？$<$
（ब）खालीलैषेकी कोणस्थाती एका किमित पद्बातीची चर्चा करा ：－$<$
（१）सिमान्त खर्व किमत तस्व
（२）बहुउत्पाल्न किमत पद्सा．
११．（अ）बाजाराजी कार्यक्षमता बाठबण्यासाठी सरकारी हन्तकेषेपा चर्चा करा．८
（ब）भांडबली अंदजपझकाषे महत्व काब ？भांडबली अंदाजपत्रक बनवताना कोणत्या समस्यांना तोंड $८$ घाबे लागते ？
१२．टिपा लिहा（कोणत्याही क्षेब）：－ ..... P
（अ）भक्तेदारीयुक्त स्पघँनी बैशिष्ट्रे
（ब）मक्तेदारीयुक्त ब्यवसायसंस्थेचा अल्पकालीन समतोल

（क）दंतुर पागणीबक्र

（3）अंतर्गत परताबा पद्धता．
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N.B. : (1) All questions are compulsory.
(4) Figures to the right indicate full marks.

## Section I

1. Answer any two questions from the following :-
(a) Explain in detail the components of Micro Business Environment.
(b) Describe the meaning and nature of Business.
(c) What is turnaround? Discuss the steps in the turnaround strategy.
(d) Write a detailed note on World Trade Organization.
2. Answer any two questions from the following :-
(a) Define the term Project Report. Explain the importance of Project Report.
(b) Define Entrepreneurship. Explain the factors contributing to the growth of Entrepreneurship.
(c) Discuss the areas of Feasibility study.
(d) Write a note on Competencies of Entrepreneurs.
3. Write short notes (any two) :-
(a) Reconciliation of Economic and Social objectives.
(b) Positive impact of Trading Blocks.
(c) Distinguish between Entrepreneur and Manager.
(d) Challenges for woman entrepreneurs.

## Section II

4. Answer any two questions from the following :-
(a) Define the term Services. Explain the Services Development Cycle in detail.
(b) Explain the main features of Organized retailing.
(c) Explain the nature of services.
(d) Explain in detail the stores based retail formats operating in India.
5. Answer any two questions from the following :-
(a) Explain the advantages and disadvantages of Credit Card.
(b) Define the term FDI. Discuss the importance of FDI.
(c) Write a note on Elements of Logistics.
(d) What is E-Commerce? Explain the scope of E-Commerce.
6. Write short notes (any two) :-
(a) Benefits of B2B transactions
(c) KPO
(b) Types of Franchises
(d) Significance of Networking

सूचना ：（१）सर्व प्रश्न अनिवार्य आहेत．
（२）उजवीकडील अंक पूर्ण गुण दर्शवितात．

## विभाग ？

१．खालीलैैकी कोणत्याही दोन प्रश्नांची उत्तरे लिहा ：－－
（अ）सूक्ष्म व्यवसाय पर्यावरणाचे घटक सविस्तर स्पष्ट करा．
（ब）व्यवसायाचे अर्थ व स्वरूप यांचे वर्णन करा．
（क）फेरपालट म्हणजे काय ？फेरपालट व्यूहर्रचनेच्या पायन्यांबाबत चर्चा करा．
（ड）जागतिक व्यापर संघटनेवर सविस्तर टीप लिहा．
२．खालीलैैकी कोणत्याही दोन प्रश्नांची उत्तरे लिहा ：－－
（अ）प्रकल्प अहवाल या संकल्पनेची व्याख्य द्या．प्रकल्प अहवालाचे महत्त्व स्पष्ट करा．
（ब）उद्योजकतेची व्याख्या द्या．उद्योजकतेच्या विकासामध्ये योगदान असणारे घटक स्पष्ट करा．
（क）व्यवहार्यता अभ्यासाच्या विविध क्षेत्रांची चर्चा करा．
（ड）उद्योजकाच्या क्षमता यावर टीप लिहा．
३．थोडक्यात टिपा लिहा（कोणत्याही दोन）：－－
（अ）आर्थिक आणि सामाजिक उद्दिश्षामधील समन्वय
（ब）व्यापारी गटांचे चांगले परिणाम
（क）उद्योजक आणि व्यवस्थापक यामधील फरक
（ड）स्ति उद्योजकांपुढील आव्हाने
विभाग २
४．खालीलैैकी कोणत्याही दोन प्रश्नांची उत्तरे लिहा ：－－
（अ）सेवा या संकल्पनेची व्याख्या द्या．सेवा विकास चक्र सविस्तर स्पष्ट करा．
（ब）संघटीत किरकोळ व्यापाराची महत्त्वाची वैशिष्ट्ये स्पष्ट करा．
（क）सेवांचे स्वरूप स्पष्ट करा．
（ड）भारतामध्ये प्रचिलित असलेले दुकानावर आधारित किरकोळ व्यापाराचे प्रकार स्पष्ट करा．
५．खालीलपैकी कोणत्याही दोन प्रश्नांची उत्तरे लिहा ：－－
（अ）क्रेडिट कार्डाचे फायदे आणि तोटे स्पष्ट करा．
（ब）विदेशी थेट गुंतवणुक या संकल्पनेनी व्याख्या द्या．विदेशी थेट गुंतवणुकीचे महत्वांबाबत चर्चा करा．
（क）मध्यस्थ साखळीचे घटक यावर टीप लिहा．
（ड）ई－कॉमर्स म्हणजे काय ？ई－कॉमर्सचा विस्तार स्पष्ट करा．
६．थोडक्यात टिपा लिहा（कोणत्याही दोन）：－－
（अ）बी－२－बी व्यवहराचे फायदे
（क）के．पी．ओ．
（ब）विक्री अधिकार हस्तांतरणाचे प्रकार
（ड）नेटवर्किंगचे महत्त्व
N.B. : (1) Question Nos. 1, 2 and $\mathbf{3}$ of Section I and Q. Nos. 7, 8 and 9 of Section II are compulsory.
(2) Attempt any one Question from Q. Nos. 4, 5 and 6 of section $I$ and any one question from Q. Nos. 10, 11 and 12 from Section II.
(3) Figures to the right indicates full marks.

## Section I

1. (a) Study the world map given below and answer the following questions :-

(i) What is the theme of the map?
(ii) Which cartographic technique is used to represent the theme?
(iii) Which country in the South Hemisphere show highest range of GNP?
(iv) What is the range of GNP in major part of Australia?
(v) Identify country in the north hemisphere, having GNP ranging between $20 \%$ and $62 \%$.
(b) Mark and name the following on the out line map of the world (Refer page No. 7) :-
(i) Suez canal
(ii) Equatorial forest in South America
(iii) Mumbai to Moscow air route
(iv) Alps mountain
(iv) Leading fishing bank in North Sea.
2. Write short notes on (any three) :-
(a) Hydrological cycle
(d) Water pollution
(b) Uses of water
(e) Sustainable development
(c) Wind energy
(f) Flow resources.
3. Read the following 'case study' and answer the questions asked :-

Marshall Islands' import trade of tyre dumps, spreading toxic fumes.
In 1989, two American companies, Admirety pacific and Micronesian marine development, offered the tiny pacific states of Marshall Islands a proposal to import over 34 billion pounds of municipal waste from the US paying them over $\$ 139$ million. The first bait was to use this

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waste to protect the nation from rising sea level due to global warming. When this failed, the companies repackaged the scheme as fisheries development project proposing to use water car tyres to built a artficial reefs, which attract fish. Over 250 million tyres are discarded each year in the US leading to serious disposal problems. Enormous fire rage for weeks at many tyre dumps, spreading toxic fumes over miles. Green peace investigated the pacific project and found that the company had long record of bribe. But much worse, it discovered that plans included illegal toxic and nuclear waste exports. House hold garbage, too, contained a high level of toxic compounds which could easily leach in to the subsoil and severely damage the fragile environment of the Marshall Islands.
(a) What was the deal between US and Marshal Islands?
(b) What was the repackage of companies?
(c) What green peace investigated?
(d) What was the content of material send by companies?
4. (a) Define Environment. Explain natural components of environment.
(b) What is an Ecosystem? Explain its functioning.
5. (a) Differentiate between resource-reach and resource -poor countries of the world.
(b) What are the indirect uses of the forest?
6. (a) How population is distributed in the world? Which factors influence on population growth ?
(b) Describe the Human Development Index (HDI).

## Section II

7. (a) Mark and name the following on the outline map of MUMBAI :-
(i). Lake Vihar
(ii) An area of bird sanctuary
(iii) forest area of Mumbai
(iv) Area of air pollution due to chemical industry
(vi) A place well known for dumping of solid waste
(b) Mark and name the following on the outline map of KONKAN.
(i) A place of hot spring
(ii) A port in Sindhudurg district
(iii) Fruit and vegetable market
(iv) Most polluted river
(v) A tourist place in Ratnagiri district.
8. Write short notes on (any three) :-
(i) Types of telecommunication
(ii) Oil spill and leakage
(iii) Depletion of ozone layer
(iv) Acid rain
(v) ISO
(vi) GIS
9. Read the following 'case study' and answer the questions asked :-

## Drought situation in India

The Indian subcontinent experiences an average rainfall of around 1200 mm and as such its water resources are enormous and are well comparable to any other country of its size and magnitude. However the problem lies in its distribution across the country, ranging from over $10,000 \mathrm{~mm}$ at Cherrapunji and 8500 mm in parts of Western Ghats at one end to around 200-350 mm in parts of Western Rajasthan and Gujarat at the other. Because of the erratic behaviour of the rainfall, even the medium rainfall region is vulnerable to drought conditions. Consequently $68 \%$ or roughly $2 / 3$ of the country's arable area is not at one time or the other susceptible to drought. Most of the major states have both drought as well as high rainfall areas and these area? sustains in states like Bihar, where, while the northern part is reeling under floods, some of the southern districts falling in the rain shadow are simultaneously under drought. The drought of 1987, caused by the failure of the south west monsoon over large pm 1 s of India, was one of worst in the country. Only 14 out of 35 meteorological subdivisions of the country received normal excess rainfall: 18 sub-divisions received deEcient and 3 received scanty rainfall. Approximately $37 \%$ of the geographical area of the country received normal rainfall, leading to an overall deficiency of ( -19 percent). The delayed monsoon affected agricultural operations in $43 \%$ of the cropped area, with Rajasthan and Gujarat being the worst affected states. The Prime Minister set up[ Cabinet Committee on drought (CCD) ,.which formulated an action plan and closely monitored its implementation. By adopting an effective agricultural contingency plan, incorporating optimum use of water resource, the loss in the production could be minimised. The action plan emphasised on a) Employment generation, b) provision of drinking water, c) fodder availability, d) supply of essential commodities and e) Drought proofing as drought mitigation measure.
(a) What is the problem of rainfall distribution?
(b) What type of drought is found in Bihar?
(c) Why 1987 drought was worst?
(d) What action plan was suggested by CCD ?
10. (a) Explain the cycle of disaster management.
(b) Discuss the causes and consequences of flood.
11. (a) Define global warming. Explain its causes and effects.
(b) Explain the causes of environmental degradation.
12. (a) What do you know about environmental movements in India?
(b) What is GPS ?

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## मराठी रूपांतर

(0३ तास )
( एकुण गुण १००)
सुचना : १) विभाग \& मधील प्रशन क्रनांक ?, २ व ₹ आणि विभाग २ मधील प्रश्न क्रनाक ५, ८- व ९ अनिवार्य आढ़ेत.
२) विभाग ₹ मधील प्रश्न क्रमांक $४, ~ ५ ~ व ~ ६ ~ म ध ी ल ~ क ो ण त ा ह ी ~ ए क ~ व ~ व ि भ ा ग ~ २ ~$ मधील प्रश्न कंमाक ₹०, शः व श मधील कोणताही एक प्रश्न सोडवा.

## विभाग - ?

श. (अ) खाली दिलेल्या जनाच्या नकाशाचा अभ्यास करून खालील प्रश्नांची उत्तरे धा. ०५

१. नकाशाची संकल्यना काय आहे
२. संकल्पना स्पष्ट करण्यासाठी कोणत्या जकाशा शास्त्रीय पध्दतीचा उपयोग केला आहे.
3. दक्षिण गोलार्षातील कोणत्या देशाचे निव्कळ राष्ट्रीय उत्पन्न जास्त आहे ?
४. प्रामाख्याने ऑस्ट्रेलीया मधील निळ्वळ राष्ट्रीय उत्पन्नाची साधारण मर्यादा काय आहे ?
4. उत्तर गोलार्धामधील २० टक्के आणि ६र टक्के निण्वळ राष्ट्रीय उत्पन्न असणारे देश सांगा ?
(ब) तुम्हास पुरविलेल्या जंचाच्या नकाशा अराखाउयामध्ये खालील घटक दाखखूून नावे घा. ( संदर्भ - पान कमांक पहा)
१. सुएइ कालवा
२. दक्षिण अमेरिकेतील विषुववृत्तीय जंगले
३. नुंबई ते मॉस्को हबाई मार्व
४. अल्पस पर्वत
५. उत्तर समुदातील महत्वाचा मासेमारी विभाग
२. टिपा लिहा ( कोणत्याही तीन ) ..... iq
१. जलचक
२. पाण्याचे उपयोग
३. पवन उर्जा
8. जल प्रदूषण
५. शास्वत विकास
६. प्रवाही साधन संपत्ती
३. तुम्हाला दिलेल्या क्षेत्र अभ्यासाच्या संदर्भात पुढील प्रश्नांची उततरे घा. :- ( इंचजी प्रश्न क्रमांक ३ पहावा )
१. संटुक्त संस्थाने आणि मार्शल बेटे यांच्या मध्ये कोणता व्यवहार झालेला होता ? ..... 08
२. कंषन्यानी कोणत्या नविन सवलती दिल्या होत्या ? ..... 02
३. व्रिन पिसने कोणते अनुमान काढले होते ? ..... 02
४. कंजप्यानी पाठवलल्यिा वस्तुमधे कोणकोणते घटक होते ? ..... 02
8. (अ) पर्यावरणाची व्याख्या द्या. पर्यावरणाचे नैसर्गिक घटक स्पष्ट करा. ..... $0 C$
(ब) परिसंस्थेची क्याख़्या द्या. परिसंस्थेची कार्ये स्पष्ट करा ? ..... 06
५. (अ) साधन संपत्ती मध्ये श्रीमंत व साधन संपत्तीमध्ये ठरीब असणान्या देशामधील फरकस्पष्ट करा.$0 C$
(ब) जंगलांचे अप्रत्यक्ष उपर्योण कोणते ? ..... 00
६. (अ) जगामध्ये लोकसंख्येचे वितरण कसे झाले आहे ? लोकसंख्या वांढीवर परिणाम करणारेघटक कोणते ?OC
(ब) मानव विकास कनर्देशांक स्पष्ट करा ? ..... 00
विभाग -?
ט. (अ) तुम्हास पुरविलेल्या मुंबईच्या नकाशा अराख्खडयामध्ये खालील घटक दाख्लवून नावेद्या. ( संदर्श - पान कमांक $\cup$ पहा)Os
१. विहार तलाव
२. पक्षी अभयारण्य
३. मुंबईमधील जंगल विभाग
8. रासायनिक कारखाष्यामुले हबा प्रदुषण विभाग
५. घणकचरा टाकण्याचे एक ठिकाण

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# (ब) तुम्हास पुरविलेल्या कोकणच्या नकाशा अराख्यडामध्ये खालील घटक दास्खवून तावे द्या. ( संदर्भ - पान कमांक $v$ पहा) <br> १. गरम पाणयाचे झाे असणाेे ठिकाण <br> २. सिंधूदुर्ण जिल्ह्यामधील एक बंदर <br> ३. फळ-भाज्या बाजार <br> 8. प्रमुरु प्रदुषीत नदी <br> ५. रत्नागिरी जिल्हृयामधील एक पर्यटन स्थळ 

८. टिपा लिहा ( कोणत्याही तीन )
२. दुरसंचाराचे प्रकार
२. तेल गळती
३. ओझोन वायूचा च्हास
४. आम्ल पर्जब्या
५. आय. एस. ओ. ( ISO )
द. जी. आय. एस. ( GIS )
९. तुम्हाला दिलेल्या क्षेत्र अभ्यासाच्या संदभ्भात पुढील प्रश्नांची उत्तरे घ्या. :- ( इंग्री'प्रशन क्रमांक ९ पहावा )
१. पर्जन्य वितरणामुळे कोणते प्रश्न निर्माण होतात ? ..... 02
२. बिहार मध्ये कोणात्या प्रकारचा दुष्काळ आढळतो ? ..... 02
३. श९८७ दुष्काल का भयंकर होता ? ..... 03
४. दुष्काळावरील कॅबीनेट समितीने कोणती कृती योजना सुचवली होती ? ..... 03
१०. (अ) आपत्कालीन व्यवस्थापनाचे चक स्पष्ट करा ? ..... OC
(ब) पुराची कारणे व परिणाम स्पष्ट करा. ..... 00
१९. (अ) जागतिक तापमान वृध्दीची व्याखंया दा ? त्याची कारणे व पहिणाम स्पष्ट कहा: ..... OC
(ब) यर्यावरणाच्या ह्हासाचा कारणो स्पष्ट करा. ..... 09
२२. (अ) भारतातीलं पर्यावरण चळवळी संदर्भात आपल्याला काय माहित आहे. ..... OC
(ब) जी. पी. एस. म्हणजे काय ? ..... 00


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## (3 Hours) Tectinigqer [Total Marks : 100

N.B. 1) Answer any two questions from Section I.
2) Answer any three questions from Section II.
3) Answers to both sections are to be written on the same answer book.
4) All questions carry equal marks.
5) Figures to the right indicate marks to a sub-question.
6) Graph paper will be provided on request.
7) Use of non-programmable calculator is allowed.

## Section-I

Q. 1 a) A merchant pays $10 \%$ commission on total sales and pays del credere at a rate of $4 \%$ on credit sales. If cash sales were Rs. 4,500 and credit sales were Rs. 7000 find the total commission by the agent.
b) A merchant instructs his agent to buy 1000 Micro Tips pens and sell $15 \%$ above the purchase price. The agent charges $1 \%$ commission on purchase and $3 \%$ commission on the sales and earns Rs 534 as commission. Find the price at which the agent buys a pen:
c) A trader allows $20 \%$ discount on the list price and a further discount of $5 \%$ for cash payment. Find the list price of the goods sold for a net amount of Rs. 209.
d) An estate broker charged $1.75 \%$ commission to the buyer and $2.25 \%$ commission to the flat owner. Find the amount received by the flat owner and the broker and also the amount paid by the buyer.
Q.2. a) Mr, Kotwal invested Rs. $1,20,480$ to buy equity shares of a company at market price of Rs. 480 at $0.4 \%$ brokerage. Find the number of shares he purchased.
b) Swapnil invested Rs. 51,660 in Birla M.F-95-D scheme, including entry load of $2.5 \%$. Find NAV on the date of purchase if no. of units purchased is 180.
c) Food $X$ contains 6 units of vitamin A per gram and 7 units of vitamin B per gram and costs Rs. 2 per gram. Food $Y$ contains 8 units of vitamin A per gram and 12 units of Vitamin $B$ per gram and costs Rs. 3 per gram. The daily minimum requirement of vitamin $A$ and $B$ are 100 units and 120 units respectively. Formulate L.P.P to minimise the cost.
d) Solve the following L.P. Problem graphically

Maximize $Z=5 x_{1}+3 x_{2}$
subject to the constraints

$$
\begin{align*}
& 2 x_{1}+x_{2} \leq 9 \\
& 3 x_{1}+2 x_{2} \leq 16 \\
& x_{1} \geq 0, x_{2} \geq 0 \tag{5}
\end{align*}
$$

Q. 3 a ) Differentiate w.r.to x the following functions
(i) $y=3 x^{4}+5^{x}-6 \log x+7^{2}$
(ii) $y=4 x^{7}-5 e^{x}+4^{x}-10 / x-25$
b) Examine for maxima and minima the function

$$
\begin{equation*}
f(x)=x^{3}-9 x^{2}+24 x+7 \tag{5}
\end{equation*}
$$

c) The total cost function is given by $C=100+5 Q-3 Q^{2}+2 Q^{3}$. Find the average cost, the marginal cost and the marginal average cost when $\mathrm{x}=5$.
d) The demand function for a commodity is given by $\mathrm{P}=25+2 \mathrm{D}+\mathrm{D}^{2}$. At $\mathrm{D}=5$ find (i) Total revenue (ii) Average revenue (iii) Marginal revenue.
Q.4. a) Ankit \& Suraj kept exactly identical amount in two different banks, giving simple interest at $9 \%$ \& $10 \%$ respectively. Ankit got interest of Rs 4050 after 2.5 years while Suraj kept his money in the other bank for 4.5 years. Calculate the simple interest he will receive.
b) Raja kept Rs. 20,000 for 4 years in a bank as fixed deposit. At time of maturity he received total amount of Rs. 27,210 with compound interest: Find rate of interest.
c) Find the future value of an ordinary annuity of Rs $5,000 /-$ paid at the end of each six months for 2 year at $12 \%$ per year compounded semi-annually.
d) Asha takes a loan of Rs 30,000 from her friend at $9 \%$ p.a., on reducing balance interest rate. Find the EMI.

## Section-II

Q.5. Define the following terms and give examples
(i) Populations
(ii) Sample
b) Represent the following information in a suitable tabular form.

Out of the total number of 10,000 candidates appeared for a test by UPSC, 6854 were males, 3200 were graduates and others undergraduates. The number of candidates with some experience was 2640 of whom 1860 were males. The number of male graduates was 2050. The number of graduates with experience was 1125 which included 375 females.
c) The following data give the consumption of electricity. Represent it by Histogram and a Frequency polygon.

| Number of <br> Units | $0-200$ | $200-400$ | $400-600$ | $600-800$ | $800-1000$ | $1000-1200$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Number of <br> Consumers | 9 | 18 | 30 | 45 | 23 | 15 |

Q.6. a) Calculate the mean and median for the following distribution.

| Age in <br> years | $20-25$ | $30-35$ | $35-40$ | $40-45$ | $45-50$ | $50-55$ | $55-60$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| No. of <br> workers | 28 | 45 | 55 | 62 | 45 | 23 | 12 |

b) Calculate the quartile deviation and its coefficient for the following data.

| Marks | $0-5$ | $5-10$ | $10-15$ | $15-20$ | $20-25$ | $25-30$ | $30-35$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| No. of <br> students | 8 | 15 | 35 | 42 | 23 | 12 | 6 |

(7)
c) Find standard deviation and coefficient of variation for the following data

| Weights <br> in cms. | $40-45$ | $45-50$ | $50-55$ | $55-60$ | $60-65$ | $65-70$ | $70-75$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| No. of <br> students | 8 | 10 | 15 | 26 | 14 | 8 | 5 |

Q.7. a Define with help of examples
i) Sample Space
ii) Mutually exclusive events
iii) Independent events
b) A box contains 9 lamps of which 4 are defective. A room has three sockets for the lamps. Three lamps are selected from the box and put in the sockets. Find the probability that (i) there is darkness in the room (ii) the room is lit (iii) only two of the three lamps are working.
c) For the following distribution of number of hostesses reporting ill per day, find expectation and variance of the distribution.

| No. of Hostesses <br> reported ill per day | 0 | 1 | 2 | 3 | 4 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Probability | 0.2 | 0.25 | 0.2 | 0.15 | 0.1 | $\therefore$ |

Q.8. a) Write a short note on Scatter Diagram.
b) Calculate the product moment coefficient of correlation for the following data.

| Marks in <br> Statistics | 53 | $59^{\circ}$ | 72 | 43 | $93:$ | 35 | 55 | 80 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Marks in <br> Economics | 35 | 49 | 63 | 36 | 75 | 28 | 38 | 71 |

(7)
c) From the following data, find the regression equation of $y$ on $x$ and further estimate $y$ if $x=18$

| x | 10 | 13 | 15 | 23 | 43 | 50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| y | 45 | 42 | 57 | 60 | 65 | 79 |

Q.9. a) Write a short note on cost of living index number by family budget method.
(6)
b) Calculate the trend using three yearly moving averages for the following time series of price indices for the years 2008-2014

| Year | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Price Indices | 111 | 115 | 116 | 118 | 119 | 122 | 124 |

c) Calculate Index number by $I_{L}, I_{P}$ and $I_{F}$ for following data.

| Commodity | Price in 2005 | Quantity in <br> 2005 | Price in 2010 | Quantity in <br> 2010 |
| :--- | :--- | :--- | :--- | :--- |
| Rice | 50 | 5 | 55 | 6 |
| Wheat | 25 | 10 | 42 | 12 |
| Oil | 65 | 3 | 85 | 7 |
| Sugar | 26 | 6 | 35 | 8 |

Q.10. a) Write a short note on
i) Courses of Action
ii) States of Nature
b) For the following pay-off table, find optimal decision using criterion i) Maximin (ii) Maximax (iii) Laplace

Pay-off Table

| Course of Action |  |  |  |
| :---: | :---: | :---: | :---: |
|  | $\mathrm{S}_{1}$ | $\mathrm{~S}_{2}$ | $\mathrm{~S}_{3}$ |
| $\mathrm{~A}_{1}$ | 65 | 0 | 45 |
| $\mathrm{~A}_{2}$ | 30 | 55 | 60 |
| $\mathrm{~A}_{3}$ | 76 | -15 | 80 |
|  |  |  |  |

c) For the following pay-off table with corresponding probabilities, obtain the best decision using EMV criterion.

Pay-off Table

| Course of Action |  |  |  |
| :---: | :---: | :---: | :---: |
|  | $\mathrm{S}_{1}$ | $\mathrm{~S}_{2}$ | $\mathrm{~S}_{3}$ |
| $\mathrm{~A}_{1}$ | 400 | 500 | 800 |
| $\mathrm{~A}_{\mathbf{2}}$. | 200 | 0 | -100 |
| $\mathrm{~A}_{\mathbf{3}}$ | 350 | 450 | 600 |
| Probability | 0.5 | 0.2 | 0.3 |

N.B. (1) FROM SECTION -1 Question No. 1 and 2 are compulsory and attempt any one question from question No 3 and 4
(2) FROM SECTION -II Question No. 5 and 6 are compulsory and attempt any one question from the question No 7 and 8.
(3) Figures to the right indicate full marks.
(4) Working notes should form part of your answer.

## SECTION -I

Q.No. 1 Following is the Trial Balance of M/s. Technocraft as on $31^{\text {st }}$ March 2016 (18 marks)


Adjustments:

1) Stock as on 31st March 2016 is valued at Rs. $1,40,000$
2) Depreciate Patents at $10 \%$ per annum, Land \& Building at $5 \%$ p.a.
3) Of the debtors Rs. 3,400 are bad. Provide reserve for doubtful debts at $5 \%$.
4) Wages outstanding Rs .5,000.
5) Goods costing Rs. 8,000 were destroyed by fire, insurance company admitted claim for Rs. 5,000

From the above you are required to prepare Trading Profit and Loss Account for the year ended $31^{\text {II }}$ March 2016 and Balance Sheet as on that date

Q .no. 2. (A) State whether following are statements are true or false.
a. Outstanding wages is nominal Account
b. Wages paid for installation of machinery is debited to wages account
c. Personal expenses of the proprietor are debited to Profit and Loss Account
d. Carraige inward is allocated among various departments on the basis of Departmental Sales
e. Closing stock is always valued at market price.
f. All capital expenses are debited to Profit and Loss Account.
g. Manufactiring Account gives us gross profit
h. Sale of scrap is Credited to Manufacturing Account
(B)Match the Following
(8marks)

| Column A | Column B |
| :--- | :--- |
| Disclosure of Accounting Policies | Capital expenditure |
| Revenue Recognition | AS-4 |
| Purchase of furniture | Includes Interest |
| Factory wages paid | AS-1 |
| Hire purchase price | Excludes Interest |
| Valuation of Inventory | AS-9 |
| Cash price | Revenue Expenditure |
| Balance Sheet | AS-2 |
|  | Stetement of Assets and liabilities |

Q 3) From the following particulars of Abhijeet Coolers prepare Trading and Profit and Loss Account of the two departments Compressors \& Radiators for the year ended 31-12-2015
(16 Marks)

|  | Compressors Rs. | Radiators Rs. | Total Rs. |
| :---: | :---: | :---: | :---: |
| Opening Stock | 1,50,000 | 2,10,000 | 3,60,000 |
| Purchases | 4,50,000 | 5,50,000 | 10,00,000 |
| Carriage Inwards |  |  | 20,000 |
| Salaries | 15,000 | 20,000 | 35,000 |
| Sales | 6,00,000 | 7,00,000 | 13,00,000 |
| Discount Received | ------ | ----- | 4,000 |
| Rent and Rates | ----- | ----- | 60,000 |
| Traveling expenses |  |  | 26,000 |
| Carriage Outwards | --- | ---- | 6,500 |
| General Expenses | ----- | ----- | 30,000 |
| Advertising | ---- | ----- | 6,500 |
| Discount Allowed | ------ | ----- | 7,800 |
| Insurance | --- | ------ | 3,600 |
| Selling commission | ----- | ----- | 13,000 |

Further information is relevant:

1) General expenses and Insurance are to be allocated in the ratio $2: 3$
2) The area occupied is Compressors $3 / 5$ and Radiators $2 / 5$.
3) The closing stock of the two departments were Compressors Rs.2,50,000,

Radiators Rs.1,85,000.
Q. 4 On $1^{\text {st }}$ January $2013 \mathrm{M} / \mathrm{s}$ Sandoz Fabricators purchased one Injection Molding Machine ( $\mathbf{1 6 M a r k s ) ~}$
from Larson \& Toubro Ltd on Hire purchase system. The cash price of the machine is Rs.2,80,000. The firm paid down payment Rs. 80,000 on $1^{\text {st }}$ January 2013 and balance in 3 annual installments of Rs. 80,000 each including interest at $10 \%$ p.a. commencing from $31^{\text {st }}$ December2013.

M/S Sandoz Fabricators provide depreciation on machinery at $20 \%$ p.a. on written Down Value Method on $31^{\text {st }}$ December every Year.

You are required to give
1 Machine $\mathrm{A} / \mathrm{c}$

2 Larson \& Toubro Ltd A/c

For the years ended $31^{\text {st }}$ December 2013, 2014, 2015 in the books of M/s Sandoz Fabricators

## SECTION -II

Q.no. $5 \mathrm{M} / \mathrm{s}$. Bhavini Enterprises does not maintain double entry books of accounts. They have furnished you with the following information.
(18 Marks)

| Particulars | $1^{\text {st }}$ April 2015 | Rs. |
| :--- | ---: | ---: |

Summary of Cash transactions for the year 2015-2016

| Receipts | Rs. |
| :--- | ---: |
| Cash Sales | 27600 |
| Received from Debtors | 247600 |
| Paid to Creditors | 191200 |
| Wages paid | 16500 |
| Salaries paid | 18000 |
| Printing \& Stationery Expenses paid | 9700 |


| Drawings | 12000 |
| :--- | ---: |
| Furniture Purchased on $1^{\text {st January 2016 }}$ | 10000 |
| Additional capital introduced | 50000 |
| Cash purchases | 2800 |
| General expenses paid | 3700 |

Discount allowed was Rs. 1250 and discounts received Rs. 860 . Bad debts written off were Rs. 840 . Depreciation is to be provided on Furniture @ 10\% p.a. and on Machinery @ 20\% p.a. Wages outstanding Rs. 550
Prepare Trading profit and loss Account of $\mathrm{M} / \mathrm{s}$ Bhavini Enterprises for the year ended $31^{\text {st }}$ March 2016 and Balance Sheet as on that date.

Q .no. 6 A) State whether following are statements are true or false.
(8marks)
a. Relationship of consignor and Consignee is like Principal and And Agent.
b. Consignor sends proforma Invoice to Consignee along with goods.
c. Loading on Opening or Closing Stock is called as Stock Reserve.
d. No proper books of accounts are maintained under single entry system.
e. Discount received is debited to creditors account.
f. Sales Returns are also called as Returns inwards.
g. Credit Purchases can be ascertained by preparing debtors account.
h. Cash sales are credited to Cash account.
(B)Match the Following
(8marks)

| Column A | Column B |
| :--- | :--- |
| Account Sale | Debited to debtors account |
| Hard Disk | Debited to bills Receivable account |
| Ram | Credited to cash account |
| Bills receivable dishonoured | Temporary memory |
| Bills receivable accepted by customers | Storage space |
| Additional capital introduced | Returns inward, |
| Drawings of the proprietor | Sent by consignee |
| Purchase returns | Debited to cash account |
|  | Returns out wards |

Q7) Samar of Satara consigned, 400 bales of cotton costing Rs. 1,200 per bale to Jayesh of Jaipur on $1^{\text {st }}$ June 2015. Freight charges incurred on the consignment were Rs. 18,500 . On the same day Samar drew a bill on Jayesh for Rs. $2,80,000$ payable on $30^{\text {th }}$ September 2015 which Jayesh accepted. The bill was discounted by Samar with his bankers on $I^{\text {st }}$ July, 2015 at $12 \%$ p.a. Jayesh paid Rs. 12,000 for unloading and Rs. 13,000 for godown rent. Jayesh rendered account to Samar on $31^{\text {st }}$ August 2015 showing sales of 260 bales for Rs. $3,90,000$ and selling expenses of Rs. 22,500 and 100 bales for Rs. 1,40,000 after incurring expenses of Rs. 44,000 . Jayesh's commission was @ $10 \%$ on sales. On this date Jayesh remitted to Samar the amount due to him.

You are required to prepare consignment Account and Jayesh of Jaipur's Account in the books of Samar of Satara.
Q.8) M/s Reema Agro Products, Manglore has a branch at Mumbai. All purchases are made by head Office. Goods are sent to Branch at cost. The branch does not maintain double entry books of accounts, the books are kept at head office. Branch sells goods for cash as well as on credit. All cash received is sent to head office after meeting all the expenses of the branch. . From the following information supplied to you, prepare branch account in the books of head office for the year ended 31 ${ }^{\text {st }}$ Mar.2016: (16 Marks)

| Particulars | Rs. |
| :--- | ---: |
| Stock at branch at cost on $1^{\text {st }}$ April 2015 | 80,200 |
| Debtors at branch on $1^{\text {st }}$ April 2015 | 45,400 |
| Cash at branch on $1^{\text {st }}$ April 2015 | 8,400 |
| Furniture at branch on 1 ${ }^{\text {st }}$ April 2015 | 60,000 |
| Goods sent to Branch | $4,65,800$ |
| Cash sales | $1,45,200$ |
| Credit sales | $3,65,100$ |
| Cash received from debtors | $2,95,900$ |
| Bad debts at branch | 6,300 |
| Expenses paid by Branch |  |
| Salaries | 22,600 |
| Rent | 18,500 |
| Printing and Stationery | 9,300 |
| Sundry expenses | 39,700 |
| Goods returned by Branch to Head Office | 8,200 |
| Goods returned by branch debtors | 4,300 |
| Cash remited by branch to head office | $? ?$ |
| Stock at branch on 31 st March 2016 | 95,700 |
| Debtors at branch on 31st March 2016 | $? ?$ |
| Cash at branch on 31 ${ }^{\text {st }}$ March 2016 | 8,300 |
| Furniture at branch on 31 March 2016 | 54,000 |

